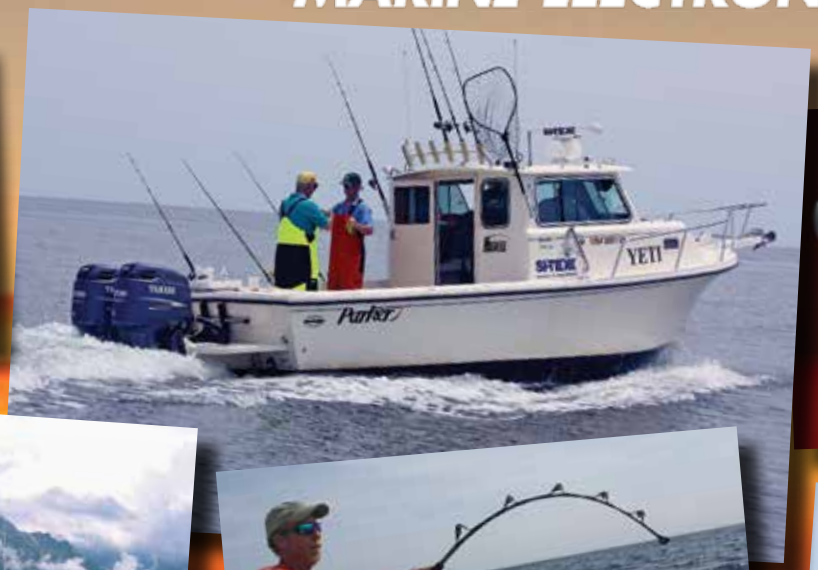
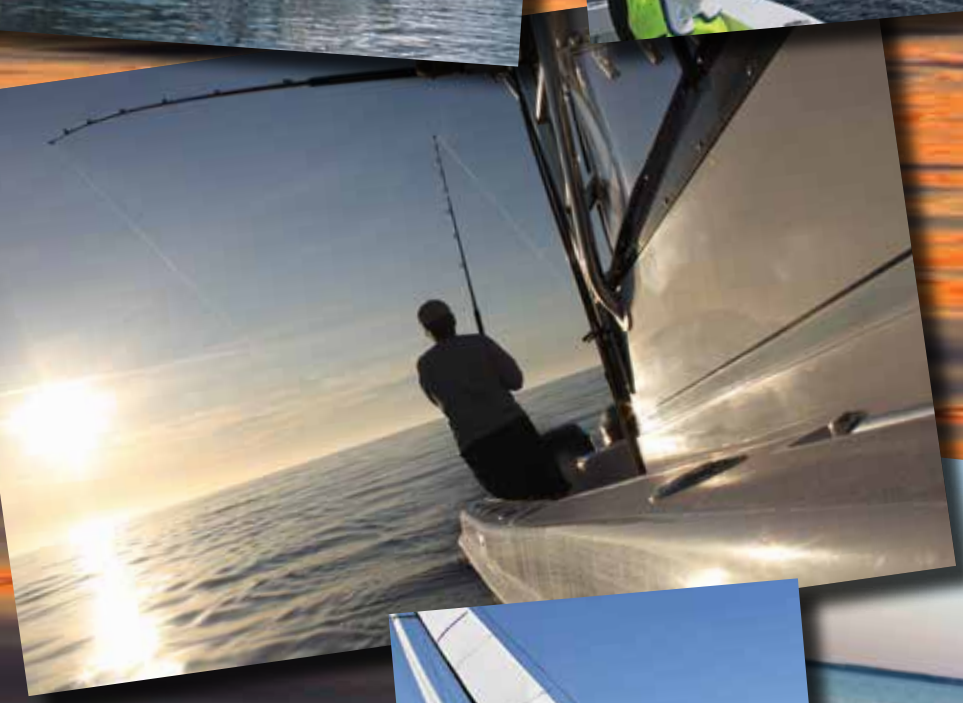
SI-TEX

MARINE ELECTRONICS





Real. Reliable. Ready for Action.

SI-TEX Marine Electronics

SI-TEX Marine Electronics — *When You're Ready to Get Real*

Most marine electronics manufacturers believe that the way to generate "buzz" is to pack their products full of fancy bells and whistles — most of which boaters will never use. At SI-TEX, we focus on providing power boaters, sailors and fishermen with reliable, down-to-earth products built to perform in the real world. Our growing product line includes radar, echo sounders, autopilots, multi-function navigation systems, AIS, VHF communications, and more. Every SI-TEX product is built to professional-grade standards, with the features real boaters want most.

TABLE OF CONTENTS

Radar	3
Echo Sounders	4
Autopilots	6
Multi-Function Charting Systems	8
GPS Sensors	11
AIS	12
Heading Sensors	14
Digital Displays	16
VHF/Communications	16
Specifications	17-29

SI-TEX MARINE ELECTRONICS

25 Enterprise Zone Drive #2
Riverhead, NY 11901
Phone: (631) 996-2690 • Fax: (631) 996-2693
www.si-tex.com
Email: customerservice@si-tex.com

Radars

Built to Work. Built to Last.

SI-TEX radar is known worldwide for practical features and reliable performance under tough real-world conditions. Whether you're a professional mariner, an avid fisherman or recreational cruiser, you'll find SI-TEX radar technology sophisticated, yet surprisingly easy to use.

T-2000 Series | Professional Dual Range Radar
10.4" Color TFT LCD Display

With advanced radar features, up to 12kW power and a large display, this professional dual-range radar is ideal for commercial and larger recreational vessels.

T-2041 4kW 25" Radome 36 mile
T-2040-3 4kW 3.5' Open Array 48 mile
T-2040-4 4kW 4.5' Open Array 48 mile
T-2060-4 6kW 4.5' Open Array 72 mile
T-2060-6 6kW 6' Open Array 72 mile
T-2010-4 12kW 4.5' Open Array 72 mile
T-2010-6 12kW 6' Open Array 72 mile

- Dual-Speed antenna with 48-rpm capability for high speed/river operations
- Split-screen display of long- and short-range targets simultaneously
- True-Trail Function identifies moving targets
- Features include Interference Rejection, Target Expansion, Parallel Index, True/Relative Bearing
- Standard AIS Interface module capable of tracking 200 targets*****
- Optional 50-target Automatic Tracking Aid (ATA).

Specifications page 17

T-900 Series | Digital Dual Range Radar
8.4" True Color Daylight Viewable LCD

Features like SI-TEX's exclusive Hyper-Digital Processing (HDP) and Dual-Range Display provide boaters with detailed information on land features, vessels, squalls and more, for safer navigation in challenging conditions.

T-921 2kW 18" Radome 24 mile
T-941 4kW 25" Radome 36 mile
T-940-3 4kW 3' Open Array 48 mile
T-940-4 4kW 4' Open Array 48 mile

- Dual-speed antennas with 48-rpm capability for high speed/river operations****
- Split-screen display of long- and short-range targets simultaneously
- True-color display of targets based on strength
- Clearly ID moving targets with True Trail function
- Features include Warning Zone, Head Up/North Up/Course Up/True Motion Display
- Standard AIS Interface module capable of tracking 100 targets*****
- Optional Automatic Tracking Aid (ATA) and AIS interface.

Specifications page 17

MDS Radar | Sensor Series

These powerful sensors turn your chartplotter into a powerful, full-featured color radar. Choose from various models:

MDS-1 is a 2kW, 12.4" radome with 24NM range
MDS-8 is a 2kW, 20" radome with 24NM range
MDS-9 is a 4kW, 23.5" radome with 36NM range

- Selectable range scales from 1/8NM
- Displays vessel traffic, weather and fixed target data
- Color shades based on target strength
- Split screen display
- Adjustable VRM/EBL, FTC, STC
- Overlay radar targets onto charts*.

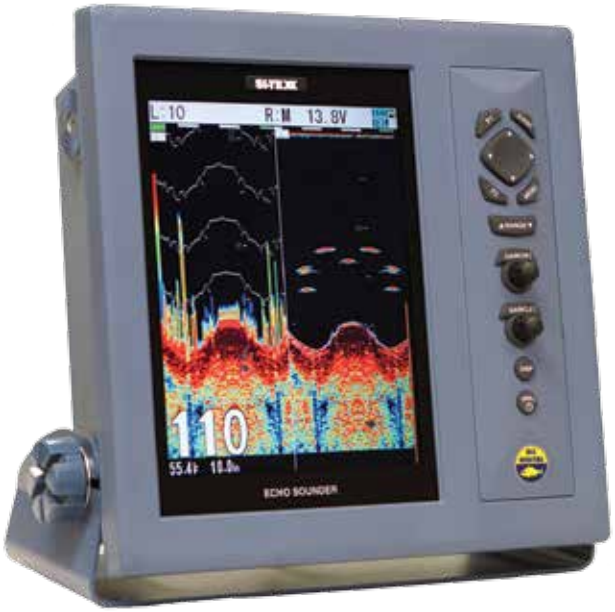
* Heading sensor required

Specifications page 18

Fishfinders

Professional-Grade Fishfinding for Boats of All Sizes

SI-TEX is a world leader in dedicated echo sounders. With six high-performance systems from 5.7” to 10.4” including a versatile black Box sounder module, we have a powerful, dependable fish finding solution for every style of boat.



CVS-1410 | Commercial-Grade Sounder 10.4” Color TFT Sunlight Viewable Display

This dual frequency (50/200kHz), 1kW sounder has the power and advanced fishfinding features for commercial boats and serious blue water battlewagons.

- Digital filtering for superior clutter suppression and signal-to-noise ratio
- Faster update rates for better performance in shallow water
- Eight customizable ranges from 10’ – 6,000’
- Pulse transmission rate of 5,000 times per minute
- Display modes include bottom lock, bottom zoom, auto zoom, A-scope, Nav Info.

Specifications page 18

SVS-750F

NEW! SVS-750F/CF | Digital Sounder With Charting 7.5” Color Sunlight Viewable LCD

This all digital technology sounder combines professional fishfinding performance with built-in charting using an optional 50-channel GPS receiver.

- 600W output/dual frequency operation
- Vertical 480X800 pixel display delivers useful data
- High-speed CPU presents all fish targets
- Depth ranges to 4,800’
- IPX7 Waterproof rating
- Features include Bottom Discrimination, Bottom Lock, Bottom Zoom, A-scope
- Depth, Fish School and Water Temperature Alarms
- SVS-750CF C-MAP MAX compatible for detailed charting
- Easy AIS integration for safety and fishing.

Specifications page 19

SVS-750CF

SI-TEX MARINE ELECTRONICS

Fishfinders

CVS-128 | High-Performance Digital Sounder
8.4” Color Daylight Viewable LCD

SI-TEX packs many professional features into this compact, 8.4” display unit, for big-time performance on any boat.

- Superior digital filtering for professional performance
- 1kW or 600W output/dual frequency operation
- Depth ranges from 10’ to 3,600’
- Sleek IPX5 waterproof case
- Features include Auto Fishing/Cruising mode, A-scope, audio/visual alarms.

Specifications page 19

CVS-126 | Compact Color Sounder
5.7” Color Sunlight Viewable LCD

Now skiffs, center consoles and other small boats can have the same digital fishfinding technology trusted by the pros.

- 600W output/dual frequency operation
- Brilliant 240X320 pixel display
- Depth ranges to 3,600’
- IPX5 Waterproof rating
- Auto Fishing/Cruising mode.

Specifications page 19

ES-502D | Sounder Module
Powerful Black Box Fishfinding

Turn any chartplotter into a powerful, dual-frequency color sounder with this advanced module.

- 500W/1kW output/dual frequency operation
- Real-time, multi-color A-scope
- Depth, fish and temperature alarms
- Features include zoom, interference rejection, noise filter.

Specifications page 20

Autopilots

Reliable Steering For Every Boat

We offer a full range of rugged, reliable autopilots for every style of boat and every budget. We've built our reputation on practical features and real-world performance — not bells and whistles. And quality construction that stands up to the toughest conditions on the water. Easy to afford, easy to operate and easy to live with. That sums up SI-TEX autopilots — the choice of commercial fishermen and hard-working professional mariners worldwide.

SP-70/80 | High Performance Autopilot
Versatile and Robust Steering Performance

The robust SP-70 is ideal for small to mid-sized vessels and is capable of operating with most standard steering systems.

- Extremely robust components
- Fixed or handheld operation
- Waterproof control head
- 10 selectable steering parameters
- Optional full function second station.

Specifications page 20

SP-80 Fixed Control Head

SI-TEX MARINE ELECTRONICS

Autopilots

SP-36 | Color Display Autopilot
Feature Packed, Intelligent Steering

With its Intelligent Steering Technology (IST), this autopilot is the smart choice for powerboats and commercial vessels up to 100’ in length.

- Virtual Rudder Feedback for reduced cost, greater reliability
- IST “learns” vessel characteristics for improved performance
- Bold color LCD display
- Multiple pre-set turn patterns
- Advanced No Drift Mode.

Specifications page 21

SP-110 | Compact Virtual Feedback Autopilot
Powerful Features in a Small Package

With a compact, splash proof control head and simple operation, this is a great autopilot for small to medium-sized boats.

- Virtual Rudder Feedback for reduced cost, greater reliability
- Control head measures just 4.3” square
- Transflective LCD display
- Compatible with hydraulic or mechanical steering
- Simple GPS Mode for easy waypoint steering.

Specifications page 21

NEW! SRS-100 | Wireless Remote Steering
Portable, Precision Control For SI-TEX Pilots

The new SRS-100 Wireless Remote lets boaters control SI-TEX autopilots from anywhere onboard. Great for sailing, workboats, sport fishing and many other applications.

- Compatible with SP70/80, SP-36 and SP-110 Autopilots
- Battery powered wireless control for freedom of movement
- Ergonomic handheld design with lanyard attachment
- Rugged waterproof construction
- Floats if dropped overboard.

Specifications page 21

Multi-Function Charting Systems

Professional Grade Performance For Every Size Boat

SI-TEX offers a wide array of multi-function charting systems with displays from 5" all the way up to 15". With so many choices, it's easy to find the ideal match for any fishing boat, pleasure cruiser or sailboat. Whichever you choose, you'll enjoy the professional grade features and reliable performance SI-TEX is known for.

Standard SI-TEX features include:

- Ultra fast-processors
- Weatherproof construction
- Compatible with C-MAP MAX charts
- Guardian Technology Programmable Anti-Grounding
- Ports/Services/Tidal info
- GO TO and MOB functions
- Coordinates displayed in Lat/Lon and Loran TDs
- North Up or Track-Up modes
- Split-screen GPS/Charting/Echosounder/Radar displays with optional sensors
- Advanced AIS functionality with optional AIS modules
- Interfaces with DSC VHF radio for safety and buddy tracking
- Backlit softkeys and easy-to-use on screen menus
- Selectable languages
- NMEA 0183 data ports for interfacing.

SI-TEX® MARINE ELECTRONICS

Multi-Function Charting Systems

NEW! SNS-1100 | 10.4" HD SVGA Color LCD Sunlight Viewable Display

Serious multi-function performance for larger vessels.

- Uses C-MAP MAX on SD
- Includes external GPS/WAAS Antenna
- IP67 waterproof rating
- 2 Video Inputs/1 Video Output
- Connects with 600W dual-frequency Black Box sounder
- Integrates with MDS Radar Sensor, Metadata AIS Modules.

Also available as EC-11

Specifications page 22

NEW! SNS-700 | 7" HD WVGA Color LCD High Definition Daylight Viewable Display

Plenty of room for split-screen displays of chart, sounder and radar.

- Uses C-MAP MAX on SD
- Choice of internal or external GPS antenna
- Flush mount or quick disconnect
- IP67 waterproof rating
- Available with built-in 600W dual-frequency sounder
- Integrates with MDS Radar Sensor, Metadata AIS Modules.

Also available as EC-7

Specifications page 22

EC5 | 5"QVGA Color LCD Daylight Viewable Display

An ideal choice for boats with limited space.

- Uses C-MAP MAX on SD
- Choice of internal or external GPS antenna
- Surface mount or quick disconnect
- IP67 waterproof rating
- Available with built-in 600W dual-frequency sounder.

Specifications page 22

Multi-Function Charting Systems

Trawl Plot 12 SD | Commercial Chartplotter
12.1" SVGA Color Display

This robust plotter was designed for the demanding needs of commercial fishermen and professional mariners.

- Simple operation with dedicated buttons
- One-Touch event mark for easy storage/retrieval of gear marks
- Stores up to 5,000 waypoints/marks
- Stores up to 50 routes/50,000 track points in 5 memories
- Unlimited storage of track/route data on SD memory cards
- Uses C-MAP MAX cartography.

Specifications page 22

ColorMax 15 | Big Screen Chartplotter
High Resolution 15" Color LCD Display

With its large display, dedicated controls and advanced charting features, the ColorMax 15 is at home on the bridge of commercial boats, trawlers and larger power boats.

- High-resolution 1024X768 LCD display
- Stores 5,000 waypoints/marks
- Stores up to 50 routes/50,000 track points in 5 memories
- Two video input ports connect to cameras
- One video output
- Uses C-MAP MAX cartography.

Specifications page 23

Explorer Plus | Charting Control Unit
Black Box Electronic Navigation

This device turns any onboard VGA monitor or off the shelf PC monitor into a full featured electronic charting system.

- Stores up to 1,000 waypoints/marks, 50 routes and 5,000 track points
- Uses C-MAP MAX cartography
- Available with or without GPS/WAAS receiver.

Specifications page 23

SI-TEX MARINE ELECTRONICS

GPS Sensors/Navigation

SI-TEX provides dependable, accurate GPS navigation systems and sensors for recreational and commercial applications.

GPK-11 | Smart DGPS Sensor
Accurate GPS Data Output

Accurate position data for navigation systems.

- Smart 16-channel DGPS antenna
- Low profile, pole or flush mountable
- IP67 waterproof rating
- Delivers better than 3 meter accuracy
- Outputs NMEA0183, GGA, RMC, GSA, GSV, TXT
- Works with any SI-TEX plotter or other unit requiring NMEA0183 GPS input.

Specifications page 24

GPS-95CPMKII | Compact GPS/WAAS Chartplotter
Advanced Navigation Features in a Small Package

If your boat is small on space, but you need full GPS charting performance, SI-TEX's GPS-95CPMKII is for you.

- 4.3" Color TFT LCD Display
- Weatherproof construction
- 16-channel GPS/WAAS receiver
- Available with external or internal antenna
- Stores 2,000 waypoints, 100 routes and 50,000 track points
- Uses C-MAP MAX cartography.

Specifications page 24

GPS-90MKII | Differential GPS/Track Plotter
Professional DGPS Navigation

Digital DGPS units like the GPS-90MKII are the choice of many professional mariners and commercial fishermen.

- Repeatable accuracy to 10 feet
- Graphic navigation pages/track plotter
- Large digital display of position data
- 400 nameable waypoints and event memory storage
- Automatic lat/lon to Loran LOP conversion
- Weatherproof construction.

Specifications page 25

AIS

A Wide Selection of Advanced AIS Technology

SI-TEX is a world leader in Automatic Identification System (AIS) technology, offering a range of products for recreational and light commercial vessels. The ability to send and/or receive AIS data reduces risk of collision, improves safety on the water and is useful when sportfishing. With options including a full color/charting display and high-performance Black Box AIS modules, SI-TEX is every boater's resource for the latest AIS technology.

SAS-300 | Class B AIS Transceiver
High Resolution 6.5" Color LCD With Charting Capabilities

This standalone AIS delivers advanced "Send and Receive" performance for recreational and professional mariners.

- Full control pad with dedicated keys
- Class B transceiver with Rmax™ technology for superior signal processing
- "Radar" display overlay on base charts or optional C-MAP MAX on SD
- Displays data from Class A/Class B vessels, Base Stations and AIS SARTs
- Track 5 vessels with history and optional live details
- Selectable vessel icons/colors for easy traffic monitoring
- Alarms for Closest Point of Approach/Time To Closest Point of Approach.

Specifications page 25

Pending FCC approval.
Not currently for sale.
Please check for availability.

SI-TEX® MARINE ELECTRONICS

Metadata MDA-2
Dual Channel
AIS Receiver

Metadata MDA-3
AIS Antenna
Splitter

Metadata MDA-1
Class B
AIS Transceiver

Metadata AIS | Black Box Modules
Plug-and-Play AIS Integration

This new series delivers next-generation AIS technology, easy installation and advanced navigation performance to any vessel. The Metadata family includes a Dual-Channel AIS Receiver, Class B AIS Transceiver (send and receive), and innovative Metadata Zero Loss AIS Antenna Splitter, each housed in a compact, waterproof case for flexible installation. Provides advanced AIS features with plug-and-play performance for chartplotters, radars, onboard PCs and other electronics.

- Rmax™ technology means all AIS messages are received and decoded in real time
- Transceiver features internal 50-channel GPS
- Transceiver/receiver feature NMEA0183, NMEA2000 and USB connectivity
- Antenna splitter allows full VHF communications and AIS send/receive with single antenna
- Maintains existing VHF reception and range
- Clear Call Routing ensures VHF emergency call priority
- Each module is IPx7 Waterproof, measures just 5.5”X3.9”X1.9”.

Specifications page 26

A Metadata AIS Module gives your new SI-TEX chartplotter powerful AIS functionalities that greatly enhance safety and enjoyment on the water. Boaters can view AIS targets in different colors based on vessel type, call up an easy-to-use AIS Legend Window for reference, enable safety alarms for Closest Point of Approach and Time to Closest Point of Approach, and filter out unwanted distant targets for a cleaner display. A Report List lets navigators scroll a list of all AIS targets, call up information on any vessel, locate any vessel on the chartplotter display, or select “Go To” for instant navigation to the AIS target. A new Auto Pop Up feature for dangerous AIS targets makes it easy to steer clear of potential hazards.

Heading Sensors

Accurate, Stable Heading Data For Your Electronics

Ultimately, the performance of autopilots, radar, echo sounders, sonar, AIS, charting systems, onboard PCs and other marine electronics is dependent on highly accurate, stable heading data input. SI-TEX offers a range of advanced heading sensors that provide this data and ensure optimum performance in even the toughest conditions.

HDK-11 | Solid State 3-Axis Gyro Compass

This recreational heading sensor uses a three-axis rate gyro compass for superior accuracy.

- Better than 1-degree heading accuracy in static conditions
- Best-in-class 2-degree accuracy in rough seas
- Three-axis accelerometer/gyro for pitch & roll and Rate of Turn data
- Easy compass calibration on display or PC
- IPX6 Waterproof rating
- Mounts easily on any angled bulkhead
- Outputs NMEA0183/NMEA2000 simultaneously.

Specifications page 26

SI-TEX MARINE ELECTRONICS

Heading Sensors

NEW! CDK-11 | 2-Axis Electronic Compass

This new affordable 2-axis magneto-inductive electronic compass provides hi-speed compass heading information for radar overlay purposes.

- Heading data output at 10Hz
- Outputs data in NMEA0183
- Supply voltage 9vdc to 16vdc
- Only 140ma current consumption
- Not recommended for autopilot use.

Specifications page 27

Vector Pro G1 | 3D GPS Satellite Compass

This compact, maintenance-free GPS satellite compass provides three-dimensional positioning data to NMEA0183 and NMEA2000 compatible electronics.

- Measures only 16.4" in length, no moving parts
- Better than 0.60-degree heading accuracy/90-degree Rate of Turn tracking
- Provides heave, pitch and roll data for 3D (lat/lon/alt) positioning
- Built-in SDGPS (Satellite Differential GPS)
- Sub 1-meter position accuracy using WAAS, EGNOS and MSAS differential
- Maintains corrected position for 40+ minutes following differential signal loss
- Heading update rates at 10Hz (20Hz optional)/multiple BAUD rate selections
- Initial start up ‹60 seconds/heading fixes ‹10 seconds.

Specifications page 27

Mount not included

Vector Pro G2 | IMO Compliant 3D GPS Satellite Compass

This IMO compliant GPS Satellite compass provides precise heading and position data for professional and high-end applications.

- Accurate and stable, with quick start-up
- Better than 0.30-degree heading accuracy
- Rate of turn tracking rates up to 90-degrees/second
- Provides heave, pitch and roll data for 3D (lat/lon/alt) positioning
- Position accuracy ‹0.6 meter using WAAS, EGNOS and MSAS differential
- Heading update rates up to 20Hz/multiple baud rate selections
- Outputs data in NMEA0183 and NMEA2000
- Initial start up ‹60 seconds/heading fixes ‹10 seconds
- Commercial grade IP69 waterproof.

Specifications page 28

Mount not included

Digital Displays/Communications

Important Information, Right at Your Fingertips

SST-110 | Digital Sea Temperature Indicator
Large 4-Digit LCD Display

This digital sea temperature gauge is accurate, simple to use and fully compatible with Dytek temperature components found on many boats. Great for commercial and sport fishing.

- Accurate readings to 0.01-degree Fahrenheit/Celsius
- Measures just 4.3”X4.3”X3.5”
- Temperature trend arrow
- Five levels of backlighting.

Specifications page 28

SDD-110 | Digital Depth Indicator
Large 4-Digit Display

View accurate depth data at a glance or output to other on-board electronics. Designed as a simple drop-in replacement for older, obsolete digital sounders models.

- Digital depth readings from 1.5’ to 1,000’
- Measures just 4.3”X4.3”X3.5”
- Depth trend arrow
- Five levels of backlighting.

Specifications page 28

Nav-Fax 200 | Communications Receiver
Your Global Connection at Sea

- Tune to all international commercial and amateur frequencies
- Monitor ham radio
- Includes Mscan Meteo Lite v3.02 Weather Fax software
- Requires W95/98/ME/2000/XP/Pentium 100, 24MB, mouse and sound card.

Specifications page 29

High-Performance Communications

SI-TEX brings boaters waterproof, professional-grade VHF performance with the SAILOR 6216 VHF DSC Class D radio from Thrane & Thrane.

- Unmatched receiver performance
- Booming audio with built-in 6W loudspeaker
- 30W loud hailer with talk back/foghorn
- 90-second replay for important messages
- Exclusive 3-Year warranty
- Full-function command mic available for remote stations.

Specifications page 29

SI-TEX MARINE ELECTRONICS

Specifications

		T-921	T-941	T-940 3/4	T-2041	T-2040 3/4	T-2060 4/6	T-2010 4/6
Specifications & Functions								
Output Power (Peak)		2 kW	4 kW		4 kW		6 kW	12 kW
Basic Range		0.0625 - 24 NM	0.0625 - 32 NM	0,0625 - 48 NM	0.0625 - 32 NM	0.0625 - 48 NM	0.0625 - 64 NM	0.0625 - 72 NM
Display Unit		MRD- 103			MRD-104			
Display Size and Type		8.4" Color LCD			10.4" Color LCD			
Effective Diameter		127.4 mm			157.4 mm			
Display Resolution		480 x 640 pixels			480 x 640 pixels			
Off-Centering		Max. 66%						
Echo Area		2 Types (Full Screen, Inside of Effective Diameter)						
Presentation Modes		Head-up, North-Up*, Course-Up*, WPT-up**						
Indication System		PPI, PPI/PPI, PPI/NAV						
Video levels		8						
Alarms		IN or OUT						
Functions		Interference Rejection, Target Expansion, VRM, EBL, Parallel Index, Cursor Position, Bearing, Trail*, RGB Monitor Output, External Buzzer Output, Slave Display Monitor Input / Output, Accepts CCD Camera Input						
Input Data format and Sentences		NMEA 0183 (BEC, BWC, BWR, DPT, DBT, GGA, GLL, GNS, HDG, HDM, HDT, MTW, MWD, MWV, RMA, RMB, RMC, VHW, VTG, XTE)						
Output Data Format and Sentences		NMEA 0183 (TTM, TLL)						
NMEA Input/Output Port(s)		2						
Ais Interface ***		100 Targets						
ATA ***		50 Targets						
Power Supply		10.8 to 31.2 VDC						
Power Consumption (at 24 VDC)		45 W or Less	55 W or Less	70 W or LESS	65 W or Less	80 W or Less	110 W or Less	130 W or Less
Environmental								
Water Protection		CFR46 (Antenna-Scanner Unit), IPX5 (Display Unit)	IPX6, (Antenna-Scanner Unit), IPX5 (Display Unit)					
Operating Temperature		-25º C - 55ºC (Antenna-Scanner Unit), -15º C to +55º C (Display Unit)						
Antenna-Scanner Connections: (See page 9 for Details)								
2 kW, Radome		RB714A						
4 kW, Radome			RB715A		RB715A			
4 kw, Open Antenna				RB716A		RB716A		
6 kW, Open Antenna							RB717A	
12 kW, Open Antenna								RB718A
Antenna-Scanner Unit Cable	10, 15, 20, or 30 m	242J160680	242J158055	242J159098	242J158055	242J159098	242J159098	242J159098
	Max. Length (m)	30	100		100			

* Requires heading data input.
** Requires waypoint data input.
*** Requires bearing data, ship's speed data and latitude/ longitude data input.

Specifications

	MDS-1 Radar Sensor	MDS-8 Radar Sensor	MDS-9 Radar Sensor
Display	Interfaces to all Chart plotters 7" or larger		
Display Modes	Head-up, North-up, Course-up		
Range Scales NM	1/8 to 24	1/2 to 24	1/8 to 36
Range Rings NM	1/32 to 6	1/32 to 6	1/32 to 9
Peak Power Output	2kW	2kW	4kW
Power Requirement	10.8~31.2V DC	10.8~41.6v DC	10.8~41.6v DC
Power Consumption	30W or less	30W or less	45W or less
Horizontal Beam Width	7°	4.7°	4°
Vertical Beam Width	25°	25°	25°
Pulse Length / Pulse Rep. Freq.	0.1 / 2200 / 1100 0.3 0.8 / 550	0.1 / 2200 / 1100 0.3 0.8 / 550	0.1 / 2200 0.25 / 2000 0.5 / 1000
Range Accuracy	0.8% of selected range	0.8% of selected range	0.8% of selected range
Bearing Accuracy	Better than +1°	Better than +1°	Better than +1°
Rotation Speed	30 rpm	30 rpm	24 rpm
Wind Resistance	100 knots	100 knots	100 knots
Case Size/Weight	8.1"Hx12.4"W, 9.9 lbs	9"Hx20"W, 18lbs.	9"Hx23.5"W, 21.5lbs

CVS-1410	
Operating Frequency	Dual 50/200khz
Output Power	1 kW
Output Firing Times	3000 times/minute at maximum
Display	10.4 inch color TFT LCD VGA (640 x480)
Presentation modes	Normal, Dual frequency, Zoom, NAV (Simple plotter, compass), A scope
Range	8ft - 6500ft
Zoom Range	8ft - 650ft
Image Speed	9 Levels + Stop
Functions	Image speed, A scope, Shift Interference rejection, Color rejection, Noise rejection, Zoom range, Zoom start, White line, Background color,
Display Colors	Monochrome, 9, 16, 64 color
Input data format & sentences	NMEA0183 Ver.1.5/2.0/3.0; GGA, GLL, HDT, MTW, MWV, RMC, VHW, VTG, ZDA
Output data format & sentences	NMEA0183 Ver 2.0 (DBT only Ver.1.5); DBT, DPT, GGA, GLL, HDT, MTW, MWV, RMC, TLL, VHW, VTG, ZDA
Power Supply	10.8 to 31.2 V DC
Power Consumption	30 W or less (at 24V DC)
Range of Operating Temperature	-15º C to +55º C
Water Protection	IPX5
Case Size/ Weight	13" x 12.5" x 6.8"/16.4 lbs.

SI-TEX MARINE ELECTRONICS

Specifications

SVS-750F/750CF	
Display	7” Color TFT LED Backlight (480X800 pixels)
Case Size/Weight	8.2”X8.4”X2.5” weight 4.5 lbs
Power Requirements	12V – 36V DC 12W
Operating Frequency	Dual 50/200kHz
Output Power	600W RMS
Operating Temperature	-15o C - +50o C
Display Modes	Normal (single/dual frequency), Bottom-Lock, Bottom Zoom, A-Scope, Shift, VRM
Depth Ranges	10’ – 4,800’
Image Speed	8 Image speeds (4/1, 2/1, 1/1, ½, ¼, 1/8, 1/16, 1/32) and stop
Interference Rejection	4 levels
Noise Rejection	4 levels
Functions	Gain (auto/manual), Range (auto/manual), depth with shift (auto/manual) pulse length selection, white/black line, water temp., bottom enhancement, 26 languages, multiple background colors, Draft Offset
Alarms	Depth, Sea Temp., Fish
Waterproof Rating	IPX7
GPS Receiver	(750CF Only) Over 50 Channels
Position Accuracy	(750CF Only) 2.5m/2.0m DGPS
Chart Data	(750CF Only) C-MAP MAX SD
Waypoints/Marks/ Routes	(750CF Only) 20,000/50,000/100
Plotter Alarms	(750CF Only) Arrival, Anchor, Off Course, Interval Timer, AIS (CPA/TCPA)

CVS-126		CVS-128
Display	5.7’ Sunlight Viewable LCD	8.4” Daylight Viewable LCD
Display Colors	8, 16, 64 or monochrome	8, 16, 64 or monochrome
Power Requirements	10.8~31.2 V DC	10.8~31.2 V DC
Power Consumption	10W or less at 12V DC	25W or less at 12V DC
Operating Frequency	Dual Frequency 50/200 kHz	Dual Frequency 50/200 kHz
Output Power	600W	600W/1000W
Depth Ranges*	10’-2800’	10’-3600’
Zoom Ranges	10 - 650 feet (23 steps)	10 - 650 feet (23 steps)
Audible Alarm	Fish, bottom, depth, temperature, speed**, arrival***, XTE***	Fish, bottom, depth, temperature, speed**, arrival***, XTE***
Image Speed	9 levels plus stop	9 levels plus stop
Auto Functions	Depth range, Shift and Gain	Depth range, Shift and Gain
Input Format	NMEA0183 (GGA, GLI, ZDA, VTG, RMC, MTW, VHW, MWV, HDT)	NMEA0183 (GGA, GLI, ZDA, VTG, RMC, MTW, VHW, MWV, HDT)
Output Format	NMEA0183 (DBT, DPT, GGA, GLL, MTW, RMC, TLL, VHW, VTG, ZDA, HDT, MWV)	NMEA0183 (DBT, DPT, GGA, GLL, MTW, RMC, TLL, VHW, VTG, ZDA, HDT, MWV)
Case Size/Weight	7.2”W x 7.2”H x 4.1”D/ 2.9 lbs.	9.5”W x 9.5”H x 4.5”D/ 7.2 lbs.
Display Modes	Normal (H/L), zoom (H/L) dual-frequency, NAV 1, NAV 2, A-scope	
Zoom Modes	Bottom, Bottom discrimination, Zoom, Bottom zoom, Bottom follow zoom	

Specifications

ES-502D	
Display Colors	16 colors on color chart plotter or 16 gray levels on gray levels chart plotter
Display Vertical Resolution	up to 400 pixels (depending on chart plotter screen resolution)
Zoom	6 selectable ranges from 1, 2, 4, 8, 16 and 32 NM
Power requirements	10-35 Volt dc
Power Consumption - operating	17W max
Power Consumption - stand by	1.7W max
Operating Frequency	Dual 50-200 kHz
Output Power	500/1000W (4000/8000Wpp)
Depth Range*	2-2,700 ft
Operating Temp. Range	0°C to +50°C
Water Proof Spec.	IP 54
Case Size/Weight	7.62" (193.30mm) x 6.87" (174.30mm) x 2.19" (55.50mm)/ 2.2 lbs

Transducers-CVS-126, CVS-128, SVS-750, CVS-1410	
Transom w/temp and speed (Beam angle: 45º @ 50kHz, 11º @ 200kHz)	250/50/200ST-CX
Bronze thru-hull w/ temp only (Beam angle: 45º @ 50kHz, 11º @ 200kHz)	1700/50/200T-CX
Bronze thru-hull w/temp only (Beam angle: 22ºx45º @ 50kHz, 6ºx11º @ 200kHz)	307/50/200T-CX
Bronze 12º tilt-element w/temp for 8º to 15º hull deadrise (Beam angle:45º@50kHz,12º @200kHz)	B-60-12-CX
Bronze 20º tilt-element w/temp for 16º to 24º hull deadrise (Beam angle:45º@50kHz,12º @200kHz)	B-60-20-CX
Bronze thru-hull w/temp and speed (Beam angle: 45º @ 50kHz, 11º @ 200kHz), includes high-speed fairing block	B-744 50/200ST -CX
Digital A Cable: Adapts ALL versions of the CVS-106 50/200 dual freq. transducers to new SVS-650, or CVS-126/128	Digital A Cable
Multiplex Box: Converts dual element dual-frequency Transducers of older sounders to work with new SVS-650, CVS-126, CVS-128, CVS-1410 Sounders.	Diplexer Box
1kW, Transom w/temp and speed (Beam angle: 45º @ 50kHz, 11º @ 200kHz)	250C/50/200ST-CX
1kW, Bronze thru-hull w/ temp only (Beam angle: 22º x 45º @ 50kHz, 6ºx11º @ 200kHz)	307/50/200T-CX
1kW , Bronze w/temp recommended for deep water use (Beam angle:14ºx21º@50kHz,3ºx5º@200kHz)	707/50/200T-CX
1kW, Twin Beam Wide Angle Stainless thru-hull w/temp. (Beam angle: 25º@ 50kHz, 25º@ 200kHz)	SS270W/50/200T-CX

SP-70/80	
Operating Voltage	10-40V DC
Power Consumption	Avg. 3 amps
Solenoid Output	20 amps max.
DC Reversing Pump	+/- 20 amps max
Clutch Output	3 amps max
Navigational Interface	NMEA 0183
Heading Reference	Fluxgate or Compass Pick Off (for flat top Navy style compass)
Course Resolution	1°
Course Detection	0.25°
Pumpset	18 cubic inc, 12V DC standard, 30 cubic inch 12vdc Option
Control Head Size/Weight	SP 70: 2.8"W x 1"D x 5.2"H, Approx 1.lb; SP -80: 6"W x 1"D x 3.1"H, Approx. 2 lbs.
Processor Unit	6.3"@ x 15"l x 2.7"H
Fluxgate Compass	5.6"W x 4.2"L x3.4"H

SI-TEX MARINE ELECTRONICS

Specifications

SP-36	
Control Head	Sunlight viewable high contrast color LCD QVGA (320 x 240) display
Operating Voltage	11 to 30 VDC
Navigational Interface	NAV1 input NMEA 0183 compliant, optically isolated, 4800 Baud; NAV2 input NMEA 0183 compliant, optically isolated, auto- baud detecting,; 4800 & 9600 Baud NMEA 0183 output Heading (10x per second) & Autopilot status (1x per second),; NMEA 0183 compliant, RS-422 compliant, RS-485 compliant,; 4800 Baud, 8 data bits, no parity, one stop bit
External Rudder Angle Indicator	Optional with RFU installed. Supports up to five 500 A instruments
Jog Steering Control Input	Yes
Rudder Follower Input	1.0 – 4.0 VDC centered at 2.5 VDC.
Control Head Cable Length	7.6 metres (25') standard; Custom lengths up to 15 metres (50') available
Vessel Type	Stern & Outboard Drives
Vessel Size	22-100 ft
Dimensions	Control Head (surface mount w/o knob): 155 x 113 x 29 mm/ 6.1" x 4.5" x 1.2" ; Cable 25' Head to SPU
	Signal Processing Unit: 257 x 184 x 73 mm/ 10.2" x 7.3" x 2.9"
Operating Voltage	11 to 30 VDC
Power Consumption	Average 0.5 Amps, 3 Amps Peak (Lower consumption capability with low backlight setting)
Drive Output	20 amps DC reversing pump or DC solenoids
NMEA 0183 Output	Heating (10Hz) Autopilot Status (1Hz)
Heading Reference	Fluxgate Compass with Heading Rate Stabilizer or SSRC Rate Gyro Compass
Course Resolution	1°
Course Detection	0.1°

SP-110	
Control Head Display	Large digit transflective LCD
Operating Voltage	12V DC
Current	0.5 amps average
DC Reversing Pump Output	15 Amps Max
Solenoid Output	15 Amps Max
Clutch Output	3 Amps
Navigation Interface	Input NMEA0183, Output NMEA0183 10hz HDG
Drive Units	14 cu. In. Hyd. Pump, Mech. Cable Drive
Controls	4 Push Button
Vessel Type	Inboard, outboard, sterndrive
Vessel Size	18' – 40'
Control Head Dimensions	4.3" square
Compass Type	Gyro Rate Compass
Course Detection	Better than 1°
Sensitivity	0 – 10°
Rudder Ratio	0.1:1.0 – 1.0:1.0
Rudder Limits	Adjustable
Off Course Alarm	45°

Autopilot Accessories	
SP-70R. SP-80R	With rotary rudder feedback for inboards and 18 CI pumpset
SP-70L, SP-80:	With linear rudder feedback for outboards and 18 CI pumpset
SP-70MS, SP-80ms	Type "S" Mechanical Dashboard Drive w/ Built-in Rudder Feedback
SRA-1	Rudder Angle Indicator
SRS-100	Wireless Remote Control for SP-70/80, SP-36, SP-110

Specifications

	EC5	SNS-700/EC7	SNS-1100/EC11
Power Requirements	10~35V DC, 5.2W	10~35V DC, 9.2W	10~35V DC, 12.5W
Color LCD display	5" QVGA	7" HD QVGA	10.4" HD QVGA
Resolution (pixels)	240 x 320	800 x 480	800 x 600
Cartography	C-Map Max SD		
Memory	Non-volatile		
Waypoints/Marks	5,000	10,000	10,000
Routes (50 waypoints max per rt., reversible)	25, reversible	50, reversible	50, reversible
Track Plots	5,000	10,000	10,000
Video Input	No	1	2
Video Output	No	No	VGA
Plotting Intervals	Distance (0.01, 0.05, 0.1, 0.5, 1, 2, 5,10 NM; Time (1, 5, 10, 30 sec, 1 min)		
Depth Unit for Depth Line	MT, FT or FM		
Operating Temperature	32° to 131° F (0° to 55°C)		
Input/Output Format	NMEA-0183 Ver 2.0		
Antenna	External or Internal	External or Internal	External Only
Case Size/Weight	5.8"w x 7.6"H x 1.8"D/ 1.1 lbs.	9.6"W x 6.1"H x 2.6"D/ 2.4lbs	13.1"W x 8.8"H x 2.1"D/ 4.4 lbs
Waterproof Rating	IP67		
GPS/WAAS Receiver	Receiver--L1, CA/code; Channels--18; Accuracy--Better than 3m, 16 channel GPS/WAAS receiver parallel 3 meter accuracy.		

Trawl Plot 12SD	
Power Requirements	10~35 VDC, 16W
Color LCD display	12.1"
Resolution (pixels)	800 x 600
Cartography	Uses C-Map MAX or NT+ C-Cartridges
Memory	Non-volatile
Waypoints/Marks	5000
Routes (50 waypoints max per rt., reversible)	50
Track Plots	50,000 divided into 5 track memories
Video Input	2
Video Output	VGA
Plotting Intervals	Distance (0.01, 0.05, 0.1, 0.5, 1, 2, 5,10 NM; Time (1, 5, 10, 30 sec, 1 min)
Depth Unit for Depth Line	MT, FT or FM
Operating Temperature	32° to 131° F (0° to 55°C)
Input/Output Format	NMEA-0183 Ver 2.0
Case Size/Weight	15"W x 13.5"H x 8.9"D, 18.7 lbs
Waterproof Rating	IP67
GPS/WAAS Receiver	16 channel parallel GPS/WAAS receiver 3 meter accuracy

SI-TEX MARINE ELECTRONICS

Specifications

ColorMax 15	
Power Requirements	10~35 VDC, 30W
Color LCD display (dia.)	15”
Resolution (pixels)	1024 x 768
Cartography	C-Map MAX or NT+
Cursor Control	Trackpad
Waypoints/Marks	5000
Routes	50
Track Plots	10,000 divided into 5 Track memories
Video Input	2
Video Output	VGA
Plotting Intervals	Distance (0.01, 0.05, 0.1, 0.5, 1, 2, 5,10 NM; Time (1, 5, 10, 30 sec, 1 min)
Depth Unit for Depth Line	MT, FT or FM
Operating Temperature	32° to 131° F (0° to 55°C)
Input/Output Format	NMEA-0183 Ver 2.0
Antenna	External
Case Size/Weight	14.9”W x 13.6”H x 3.9”D/ 9.9 lbs
Waterproof Rating	IP67
GPS/WAAS Receiver	16 Channel parallel GPS/WAAS receiver 3 meter accuracy

Explorer Plus	
Power Requirements	10~35 VDC, 3.5W
Resolution (pixels)	Up to 1024 x 768
Cartography	C-Map MAX or NT+
Memory	Non-volatile
Waypoints/Marks	10,000
Routes (50 waypoints max per rt., reversible)	50
Track Plots	1000
Video Input	No
Video Output	VGA
Plotting Intervals	Distance (0.01, 0.05, 0.1, 0.5, 1, 2, 5,10 NM; Time (1, 5, 10, 30 sec, 1 min)
Depth Unit for Depth Line	MT, FT or FM
Operating Temperature	32° to 131° F (0° to 55°C)
Input/Output Format	NMEA-0183 Ver 2.0
Case Size/Weight	5.5”W x 3.7”H x 3.2”D/0.9 lbs.
Waterproof Rating	IP67
GPS/WAAS Receiver	16 Channel parallel GPS/WAAS receiver 3 meter accuracy

Specifications

GPK-11	
Overall Dimensions	97 x 32 mm (flush/pole/rail mounting)
Weight:	160 grams (without cable)
Cable:	15 meter 8x28AWG
Input Voltage	10-35VDC
Power Consumption	0.8 W max
Electrical Interface	TTL voltage levels, RS-232 polarity
Receiving Method/Frequency	16 channels parallel (up to 3 for WAAS Satellites); 1575.42MHZ (L1, C/A code)
Receiving Sensitivity	Less than -135 dBm
Time to First Fix (TTFF)	Warm start: 33 seconds (typical); Cold Start: 40 seconds (typical)
Accuracy Position	Less than 2.5mCEP1 5.0m SEP2: GPS: (SA=Off, HDOP<4); Less than 2.0mCEP1 3.0SEP2: DGPS: (SA=OFF, HDOP<4)
Dynamics Acceleration	Strong Signals <=4g; Weak Signals typical 1g
Altitude/Velocity	1800 m/1850Km/h (515 m/sec)
DGPS Format	WAAS; EGNOS; MSAS
Output Format/NMEA Output Messages	NMEA-0183 Baud rate 4800 N81; GGA, RMC, GSA, GSV, TXT
Geodetic Datum	WGS84
Operating Temperature/Storage Temperature	from 0° to +60°C/from -20° to +85°C
Relative Humidity/Water Resistance	95% non-condensing/IPX7

GPS-95CP MKII GPS/WAAS RECEIVER	
Power Requirements	12~36 VDC, 3W
Color LCD display	4.3" (diagonal)
Resolution	480 x 272 pixels
Cartography	C-Map MAX or NT+
Cursor Control	Trackpad
Memory	Non-volatile
Waypoints/Marks	2000
Routes	100 (20 wpts per rt.)
Track Points	50,000
Plotting Intervals	Distance - 0.03 to 10 NM; Time- 3 sec to 60 mins
Operating Temperature	5° to 122°F (-15° to 50° C)
Input/Output Format	NMEA-0183
Antenna	External or Internal
Case Size/Weight	6.9"W x 3.9"H x 3.2"D/ 1.1 lbs
Receiver	L1, CA/code
Accuracy	Better than 3m, 95% of the time
Max. Solution Update Rate	1 per sec
Cable Length	33 feet

SI-TEX MARINE ELECTRONICS

Specifications

GPS-90MkII	
Receiver Type	18 Channel Parallel, WAAS/EGNOS - Capable Receiver
Tracking Speed	190 knots maximum
Position Accuracy	‹33 ft. (10m) GPS, ‹10 ft (3m) WAAS/EGNOS, ‹10 ft (3m) DGPS
Velocity	0.1 knot RMS (WAAS or DGPS)
GPS Receiving Code	C/A Code
Update Rate	1/sec., Continuous
Power Supply	10.8 VDC to 31.2 VDC
Power Consumption	4.5W or less
Memory Protection	Built-in lithium Battery
Operating Temperatures	Display: 5 deg. F to 131 deg. F, Antenna: -13 deg. F to 131 deg. F
Display	B&W LCD w/ backlight 128 x 64 pixals
Position Coordinate Displays	Latitude/Longitude, Loran C Position, Loran A, Decca
Navigational Data Displays	Speed, Course, Distance, Bearing, Time to Go to Waypoint, Cross Track Error, Course Deviation, Present Time, Satellite Status, Altitude, Total time & distance in route, distance & Bearing between two waypoints, MOB display
Track Display Range	0.025, 0.05, 0.1, 0.2, 0.5, 1, 2, 5, 10, 20 nm (sm or km)
Track Memory	2,000 points
Track Intervals	10, 20, 30 seconds, 1, 3, 5, minutes 0.1, 0.5, 1 nm (sm or km)
Instant Memory (event)	200 points
Waypoint Memory	200 points
Route Memory	20 Reversible Routes (Max. 400 points)
Alarms	Arrival, Cross track, Off Course, Anchor Watch, GPS position
Position Corrections	Lat/Lon, Loran C
Magnetic Compensation	Automatic or Manual
NMEA Output Data	NMEA-0183

SAS-300	
Display	6.5” LED Back-Light Color TFT Display (750X480)
Power	10.8 – 35VDC
Power Consumption	1A
Operating Temperature	Display -15°C – 50°C
Dimensions	8.6”W X 8.4”H X 3.7” D
Internal GPS Receiver	50 channel parallel supporting DGPS, SBAS (WAAS, EGNOS, MSAS)
GPS Antenna	External
Accuracy	2.5m CEP DGPS/SBAS 2.0m CEP
Track Memory	5 track memories totaling 50,000 pts
Alarms	Programable CPA and TCPA Alarms
Target Displays	All Class A, Class B, AIS SARTS, SAR, ATON’s, Base Stations, Vessel Type by Color
Data Update Rate	1 second
Data Input/Output	Output NMEA0183 @ 38,400, Input NMEA0183 @ 4800
Back Up/Cartography	SD Card for Logging /C-Map MAX Chart Database
Transmit Frequencies	156.025 – 162.025 MHz in 25kHz steps
Output Power	2W
Transmit Silence	Transmitter easily silenced via keypad
Receiver Frequencies	Dual Channel Receiver #1 161.975 Receiver #2 162.025
Receiver Sensitivity	‹-110dBm at 20% PER
Waterproof Rating	IPX6
	Pending FCC Approval Not for sale

Specifications

	MDA-1	MDA-2	MDA-3
Function	Class B AIS Transceiver	Dual Channel AIS Receiver	Zero Loss Antenna Splitter
Power	12V – 24VDC	12 - 24VDC	12 – 24 VDC
Power Consumption	150mA @12VDC ‹2W average	150mA @12VDC ‹2W average	150mA @12VDC ‹2W average
Operating Temperature	-15°C - +55°C	-15°C - +55°C	-15°C - +55°C
Dimensions	5.5”D X 3.9”W X 1.9”H	5.5”D X 3.9”W X 1.9”H	5.5”D X 3.9”W X 1.9”H
Weight	10 oz.	10 oz.	10 oz.
Internal GPS Receiver	50 channels		
Receiver Frequency	1 Transmitter/2 Receivers 156.025 – 162.025 MHz in 25kHz steps	Receiver 1 - 161.975MHz Receiver 2 – 162.025mMHz	
Output Power	2W		
Receiver Sensitivity	‹-110dBm@20% PER	‹-107dBm@20% PER	
Data Interfaces	USB, NMEA2000, IEC61162-1 (NMEA0183) output, 38400 baud IEC61162-1 (NMEA0183) input, 4800 baud Silent mode switch input		
RF Interfaces			VHF antenna output – SO239 Connector VHF radio input – SO239 Connector AIS input – BNC connector
RF Performance			Insertion loss (receive) 0dB Insertion loss (transmit) ‹1dB Power handling, VHF port, 25W Power handling, AIS port, 12.5W Operating frequency range 156.000-163.425mHz
Waterproof Rating	IPx7	IPx7	IPx7

HDK-11	
Static Compass Accuracy	1° RMS when level
Dynamic Compass Accuracy	2° RMS (Best-in-Class)
Heading Display Resolution	0.1°
Settling Time	1 second (adjustable)
Heading Data Output Update Rate	-10Hz--NMEA0183 - Adjustable up to 20 Hz --NMEA 2000®
Rate-of-Turn Range	0° to 70° per second
Rate-of-Turn Accuracy	1° per second
Rate-of-Turn Data Output Update Rate	2 HZ--NMEA0183 (adjustable up to 10Hz) --Adjustable up to 20 Hz--NMEA 2000®
Pitch and Roll Range/Display Resolution/Boat Alignment/Output Update Rate	+ 50°/0.1°/yes with software/2 Hz--NMEA 0183 (adjustable up to 10HZ) --Adjustable up to 20HZ--NMEA 2000®
Static Pitch and Roll Accuracy	‹1°
Dynamic Pitch and Roll Accuracy	‹3°
Supply Voltage/Current	9VDC to 16VDC /‹140mA
NMEA 2000® Load Equivalency Number (LEN)	3
Certifications & Standards	CE, IPX6, RoHS, IEC60945

SI-TEX MARINE ELECTRONICS

Specifications

CDK-11	
Static Compass Accuracy	1° RMS when level
Dynamic Compass Accuracy	5° RMS
Heading Display Resolution	0.1°
Settling Time	1 second (adjustable)
NMEA0183 Data Output Sentences	HDG, HDT, ROT, XDR
Heading Data Output Update Rate	-10Hz--NMEA0183 - Adjustable up to 20 Hz --NMEA 2000®
Rate-of-Turn Range	0° to 70° per second
Rate-of-Turn Accuracy	1° per second
Rate-of-Turn Data Output Update Rate	2 HZ--NMEA0183 (adjustable up to 10Hz) --Adjustable up to 20 Hz--NMEA 2000®
Pitch and Roll Range/Display Resolution/Boat Alignment/Output Update Rate	+ 50°/0.1°/yes with software/2 Hz--NMEA 0183 (adjustable up to 10HZ) --Adjustable up to 20HZ--NMEA 2000®
Static Pitch and Roll Accuracy	‹1°
Dynamic Pitch and Roll Accuracy	‹3°
Supply Voltage/Current	9VDC to 16VDC /‹140mA
NMEA 2000® Load Equivalency Number (LEN)	3
Certifications & Standards	CE, IPX6, RoHS, IEC60945

VECTOR PRO G1--GPS Compass	
Dimensions	16.4”L x 2.7”H x 6.2W
Receiver Type	2 x 12 ch. Parallel GPS/SDGPS
Update Rate	20Hz Maximum Position & Heading (Default Rate = 10Hz)
Rate of Turn Tracking Speed	90° Deg. / Second max.
Heading Accuracy	‹0.75° Deg. Typical
Pitch / Roll Accuracy	‹1.5° Deg Typical
Heave Accuracy	‹ 30 cm rms
Cold Start	‹ 60 sec typical
Warm Start	‹ 20 sec typical
Hot Start	‹ 1 sec typical
Heading Fix	‹ 10 sec typical
Maximum Speed	999 knots
Maximum Altitude	60,00 ft
Compass Safe Distance	30cm (11.8”)
Position Accuracy	‹ 4.0 meters GPS, ‹ 1.0 meters DGPS
Serial Ports	2 RS-232 Full Duplex
Data Output types	NMEA-0183 & NMEA-2000 (optional cable required)
NMEA-0183 Sentences	HDT, HDM, ROT, GGA, GSV, VTG, RMC, ZDA, SHR
Input Voltage	6 to 36 VDC
Power Consumption	3w @ 12 VDC nominal

Specifications

VECTOR PRO G2 --GPS Compass	
Dimensions & Weight	26.3”L x 4.8”H x 8.2”W, Weight 4.7 lb
Receiver Type	GPS/WAAS Twin 12 Channel Parallel Receivers, 0.5m separation
Update Rate	20Hz max (position & heading)
Rate of Turn Tracking Speed	90° per second maximum
Heading Accuracy	‹ 0.5° RMS
Heave Accuracy	‹ 30 cm rms
Pitch Accuracy	‹ 1° rms
Roll Accuracy	‹ 1° rms
Position Accuracy	‹1.0m 95% confidence DGPS, ‹4.0m 95% Confidence GPS
Maximum Speed	999 knots
Maximum Altitude	60,000 ft
Data Output Type	NMEA-0183 & NMEA2000 (with optional adapter)
NMEA-0183	HDT, HDM, ROT, GGA, GSV, VTG, RMC, ZDA, SHR
Power Supply	6 to 36 VDC
Power Consumption	3 Watts nominal
Start up Time	‹60 sec Cold Start, ‹20 sec Warm Start, ‹10 sec Hot Start
Compass Safe Distance	75 cm (29.5”)
Data Ports	1 RS-232 (Full Duplex) 2 RS-422 (1 full Duplex, 1 half Duplex)
Certifications	IMO Wheelmarked for Annex A.1 item 4.41 Transmitting heading device THD

	SST-110	SDD-110
Power Input	9.50 VDC to 16.0 VDC	9.50 VDC to 16.0 VDC
Current Consumption	0.045 amps nominal	0.37 amps nominal
Operating Temperature	32°F to 122°F (0° to 50°C)	
Size/Weight	4.3” x 4.3” x 3.5” deep (110 x 110 x 89mm); 1 lbs.	
Display Data	Sea Water Temp, High and Low Alarms, Temperature Trend arrows, alarm symbol	Depth in Feet, Meters, or Fathoms, Shallow and Deep Alarms, Depth Trend Arrows, alarm symbol
Alarms	High & Low Sea Temperature	Shallow depth, Deep depth, Anchor drag, Ext. Alarm output
Data Output	NMEA0183: MTW, XDR	NMEA0183: DPT, DBT
Resolution	.01° Fahrenheit or Celsius	0.1 Feet, Meters, or Fathoms up to 20.0, then 1 unit increments
Calibration	Front panel adjustable	
Measurement Range	32° F to 99.99° F (0° to 37.77° C)	2’ - 1000’ (0.4 to 365 Meters)
Keel Offset	N/A	-20.0 to +20.0
Transducers	Transom, Bronze thru-hull, Stainless thru-hull Temperature Probes available	120 kHz Bronze thru-hull, Lexan thru-hull or Transom mt
Display	4 digit LCD, 5 levels of backlighting	

SI-TEX MARINE ELECTRONICS

Specifications

Temperature Probes	
Transom Mount Temperature Probe	TM200-30
Bronze thru-hull temperature probe 5/16”	TS200-30
Stainless Steel thru-hull temperature probe 5/16”	SS-TS200-30

NAV-FAX 200	
Frequency Range	20 kHz - 30MHz
Frequency Tolerance	+ 100 Hz
Synthesize	1 kHz STEPS
Clarity	+ 800 Hz
Bandwidth	SSB=3.8kHz. AM=6 kHz
Sensitivity	1 microvolt
Audio Output	2 watts
Input Impedance	70 ohms
Tuning Control	4 rates as follows: 10 kHz/REV, 100 kHz/REV, 1MHz/REV, 10 MHz/REV
Power Supply	12 V DC, Power cable included
Antenna	Long-wire type included
Modes	USB/AM/LSB
First IF	45 MHz with Crystal Filter
2nd IF	455 kHz with Ceramic Filters
Demodulator	AM - Quasi Synchronous; SSB--Product Detector
Option	Amplified Antenna, Flush Mounting Kit

SAILOR 6216 VHF DSC Class D	
Power Supply	12VDC Nominal (10.8 - 15.6VDC)
Weight	3.31 lbs. (including hand microphone/bracket)
Dimensions	7-17/32” W X 417/32” H X 5-6/32” D
Frequency Range	TX 156.000-161.450/RX 156.000-163.425 MHz
Channel Spacing	12.5kHz and 25kHz
Bandwidth	All international maritime channels
Operational Temperature Range	5ºF to 131º F
Receiver Sensitivity	‹-119dBm Typical at 20dB

*Depth ranges are for presentation only. Actual depth capability depends on numerous factors.
**Requires speed data from speed sensor or GPS sensor
***Requires position data from GPS sensor
****2kW Radome antenna excluded
*****Requires interface to AIS receiving device
Note: Guardian™ anti-grounding should be used as a tool in conjunction with other navigation tools such as depth sounders, charts and visual sighting, and should not be relied upon as a sole means of navigation. SI-TEX electronic charting systems and C-MAP MAX charts are not designed to replace standard government charts. Any electronic device should be operated along with the prudent use of reliable manual backup material.

All specifications subject to change without notice

Notes

This space is provided for notes when researching marine electronics at boat shows and dealerships.

SI-TEX MARINE ELECTRONICS

Notes

This space is provided for notes when researching marine electronics at boat shows and dealerships.

SI-TEX offers a full line of marine electronics for every vessel and style of boating. From center console skiffs to megayachts, sailboats to power cruisers, sportfishers to workboats, we have your needs covered with innovative radars, autopilots, sounders, chartplotters, AIS and more. Every SI-TEX product is designed with the features and robust construction that have made our brand a leading choice of commercial fishermen and professional mariners worldwide.

However and wherever you use your SI-TEX marine electronics, you can rest assured your equipment is real, reliable and ready for action.

We back every SI-TEX product with a Two-Year Limited Warranty and stand behind our products — and our customers — with the best support in the business.

SI-TEX® MARINE ELECTRONICS

25 Enterprise Zone Drive #2
Riverhead, NY 11901
Phone: (631) 996-2690 • Fax: (631) 996-2693
www.si-tex.com
Email: customerservice@si-tex.com

All SI-TEX products are backed by a Two-Year Limited Warranty. See warranty for complete details.